

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 11-102601
 (43)Date of publication of application : 13.04.1999

(51)Int.Cl. F21L 11/00
 A45C 11/00

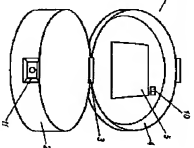
(21)Application number : 09-263220 (71)Applicant : MATSUSHITA ELECTRON CORP
 (22)Date of filing : 29.09.1997 (72)Inventor : YAMADA SAHO
 YAMAZAKI HARUO
 TAMAKA HIROKI
 KATAYAMA TOSHIO
 KAMEI TANI SUDEN

(34) PORTABLE CASE PROVIDED WITH LIGHT SOURCE

(57)Abstract:

PROBLEM TO BE SOLVED: To provide a portable case provided with a light source by which a user is able to look the inside of a bag, a spot for writing on a memo pad, and the face reflected in a mirror during a makeup shown, in a place of a low illuminance, for example, in the outdoor at night, at the seat in the conference using OHP, and in a car driving at night.

SOLUTION: A case 1 is composed of a case main body 2 and an upper cover 4 mounted on the case main body 2 through a hinge 3 so as to open and close freely. A light source unit is built into the inner surface of the upper cover 4, which is composed of a diffusion panel 5, a light source composed of a cold cathode fluorescent lamp disposed backward the diffusion panel 5, an reflection mirror covered with a reflection sheet made of an aluminum thin plate arranged backward the light source, a circuit substrate for turning on a light source, a power supply and switching means 10.



LEGAL STATUS

[Date of request for examination]
 [Date of sending the examiner's decision of rejection]
 [Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]
 [Date of final disposal for application]
 [Patent number]
 [Date of registration]
 [Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision of rejection]
 [Date of extinction of right]

* NOTICES *

JPO and IPIT are not responsible for any damages caused by the use of this translation.

1. This document has been translated by computer. So the translation may not reflect the original precisely.

2.*** shows the word which can not be translated.

3.in the drawings, any words are not translated.

CLAIMS

[claim(s)]

[claim 1] The portable container which has the light source characterized by having had a body of a container, and the top-cover section attached in this body of a container free [closing motion], and equipping the inside of said top-cover section with the light source.

[claim 2] The portable container which has the light source according to claim 1 characterized by having a mirror near said light source.

[claim 3] Said mirror is a portable container which has the light source according to claim 2 characterized by establishing said light source caudad.

[Translation done.]

* NOTICES *

JP and INPT are not responsible for any damages caused by the use of this translation.

1. This document has been translated by computer. So the translation may not reflect the original precisely.

2.*** shows the word which can not be translated.

3. In the drawings, any words are not translated.

DETAILED DESCRIPTION

[Detailed Description of the Invention]

[0001] [First of the Invention] This invention relates to the portable container which has the light source which equipped the bag, the portable makeup container, etc. with the light source.

[0002] [Description of the Prior Art] When using the hand conventionally written down on the interior of a bag, and a memo pad into a dark location, i.e., the place where an illuminance is low, for

example, the outdoors of night, and the seat of a meeting and the vehicle of Nighttime using OHP, and a portable cosmetics container, an object is dark and could not appear easily. For this reason, in order to see those objects, it needed to move to the bright location where an illuminance is high, or the light source needed to be prepared independently.

[0003] [Problem(s) to be Solved by the Invention] This invention aims at obtaining the portable container which has the light source which can see the interior of a bag, and the face at the time of the makeup reflected to the hand written down on a memo pad, and a mirror also in the place where an illuminance is low, for example, the outdoors of night, and the seat of a meeting and the vehicle at night using OHP.

[0004] [Means for Solving the Problem] This portable container which has the light source of this invention has the configuration which was equipped with the body of a container, and the top-cover section attached in the body of a container, free [closing motion] 1, and equipped the top-cover section with the light source.

[0005] Thereby, an object can be illuminated also in the place where an illuminance is low.

[Embodiment of the Invention] It explains referring to a drawing about the gist of operation of this invention.

[0007] The bag with which the portable container which has the light source which is the gist of operation of the 1st of this invention is, in drawing 1, consisted of a container 1, for example, a light source consists of a body 2 of a container, and the top-cover section 4 attached in the body 2 of a container, free [closing motion] 1 through the hinge 3. The light source, in which consists of the light source unit formed behind the diffusion panel 5 of the section 4, formed the reflective sheet which consists of aluminum sheet 6, as shown in drawing 2. The reflectance means 7 which stuck the reflective sheet which consists of aluminum sheet 6, metal formed behind this light source 6, the circuit board 8 for making the light source 6 as shown in drawing 3, turn on, a power source 9, and a switching means 10 is incorporated. In addition, it is built in the front face of the inside of the top-cover section 4 so that the diffusion panel 5 of this light source unit may be located.

[0008] By opening the make implement, 11 of a bag and switching on the switching means 10 of the top-cover section 4, for example, a slide type, the portable container which has such the light source can make the light source 6 able to turn on, and can illuminate the interior of the

body 2 of a container of a bag.

[0009] In addition, the rechargeable lithium-ion battery which is used as an AC power, and in which the count change of plurality is possible, is exchangeable as a power source 9 by removing the diffusion panel 5, the light source 6, and a reflecting mirror 7.

[0010] The interior of the container 1, such as a bag, can be seen even in the place where an illuminance is low, without preparing the light source independently according to the gist of operation of the 1st of this invention, as mentioned above, since the light source 6 is established by the inside of the top-cover section 4 of the bag which is a container 1.

[0011] Next, the portable container which has the light source which is the gist of the 2nd operation is explained. The portable container which has the light source which is the gist of the operation of the 2nd of this invention as shown in drawing 4. The diffusion panel 5 of the opalescence made from an acrylic as shown in the inside of the top-cover section 4 attached in the body 2 of a container, free [closing motion] 1 through the hinge 3, like the gist of the 1st operation at drawing 2. The light source unit which consists of a cold cathode fluorescent lamp formed behind this diffusion panel 5. The light source unit which consists of the reflecting mirror 7 which stuck the reflective sheet which consists of aluminum sheet metal formed behind this light source 6, the circuit board 8 for making the light source 6 as shown in drawing 3, turn on, a power source 9, and a switching means 10 is incorporated. In addition, it is built in the front face of the inside of the top-cover section 4 so that the diffusion panel 5 of this light source unit may be located.

[0012] Like the gist of implementation of the above 1st, by switching on the switching means 10 of the top-cover section 4, for example, a slide type, the light source 6 can be made to be able to turn on and the body 2 of a container can be illuminated.

[0013] In addition, the fastener 11 which has the metallic ornaments which can be opened and closed by six places can be formed, the body 2 of a container can be equipped with two or more sheets of forms 12 with six holes, and it can be used for it, as a memo pad, 13 can be used as a storage, for example, can contain a card and writing materials. When the top-cover section 4 is closed, the space 14 which contains a form 12 is established in the inside of the top-cover section. Moreover, the rechargeable lithium-ion battery which is used as a power source 9, for example, an AC power, and in which the count change of plurality is possible is exchangeable by turning output port 15.

[0014] Although the light is made to switch on with fixed brightness by the switching means 10, the modulated light means whose light is made to modulate manually may be used for this operation, for example, the light source which is the gist of the 3rd operation, although the rechargeable lithium-ion battery which is used as an AC power and in which the count change of plurality is possible was used as a power source 9, a DC power supply may be used through an AC/DC adaptor.

[0015] As mentioned above, according to the gist of operation of the 2nd of this invention, the hand written down on a memo pad etc. can be seen even in the place where an illuminance is low by turning the light source 6 in the inside of the top-cover section 4.

[0016] Next, the pocket container which has the light source which is the gist of the 3rd operation is explained. As shown in drawing 5, the portable container which has the light source which is the gist of operation of the 2nd of this invention, 1 through the hinge 3, like the gist of the operation of the 2nd of a container free [closing motion] 1 through the hinge 3, like the gist of each above-mentioned implementation. The light source 6 which consists of a cold cathode fluorescent lamp formed behind the diffusion panel 5 of the opalescence made from an acrylic, and this diffusion panel 5 as shown in drawing 2. The light source unit which consists of the reflecting mirror 7 which stuck the reflective sheet which consists of aluminum sheet metal formed behind this light source 6, the circuit board 8 for making the light source 6 as shown in drawing 3, turn on, a power source 9, and a switching means 10 is incorporated. It has the mirror 16 near the light source 6.

[0017] In addition, it is built in the front face of the inside of the top-cover section 4 so that the diffusion panel 5 of this light source unit may be located.

[0018] Like each above-mentioned operation, for example, by switching on the switching means 10 of

the top-cover section 4, for example, a slide type, the light source 6 can be made to turn on, and by such configuration, since the face of a person within the body 2 of a container can be irradiated, a mirror 16 can be used also in a dark location.

[0019] In addition, also in the dark location where an illuminance is low, it can make up by arranging foundations, for example, a lip stick etc., such as a makeup supply, on the body 2 of a container.

[0020] By forming output port 15, the rechargeable lithium-ion battery which is used as a power source 9, for example, an AC power, and in which the count charge of plurality is possible can be taken out and exchanged. Moreover, a makeup supply etc. can be removed and exchanged.

[0021] As a result of examining the conspicuousness of the mirror 16 at the time of light source lighting, what has arranged the light source 6 was the optimal above the mirror 16 among the upper part of a mirror 16, the lower part, the method of the right, and the left.

[0022] With each above-mentioned operation gesture, although the manual switch was used as a switching means 10, when a container 1 is opened, it is automatic, and the light is switched on, and when it shuts, a switch which is switched off automatically may be used. Moreover, when a container is opened, in case a perimeter environment has an illuminance more than fixed, a switch with an illuminance sensor function which is not turned on may be used.

[0023] With this operation gesture, although the makeup supply etc. was used for the body 2 of a container, a contact lens etc. may be contained.

[0024] Although the rechargeable lithium-ion battery which is a power source 9 was made more nearly exchangeable than output port 15 with this operation gesture, where this rechargeable battery is built in a container 1, it may install in the battery charger of dedication and it may be charged.

[0025] As mentioned above, according to the gesture of operation of the 3rd of this invention, it can make up even in the place where an illuminance is low by forming a mirror 16 near the light source 6 of the top-cover section 4.

[0026] With each above-mentioned operation gesture, although the top-cover section 4 was equipped with the circuit board 8, the power source 9, and the circuit part of a switching means 10, you may build in the body 2 side of a container. In this case, the sense of stability of a container 1 is acquired. Moreover, the light sources, such as an electric bulb and LED, may be used as the light source 6.

[0027]

[Effect of the Invention] The portable container which has the light source of this invention as mentioned above can illuminate an object even in the place where an illuminance is low by having the configuration which equipped with the light source inside of the top-cover section of the container attached free [closing motion]. Moreover, the face at the time of the makeup reflected to a mirror even in the place where an illuminance is low can be seen.

[Transition done.]

* NOTICES *

ipo and iprit are not responsible for any
damages caused by the use of this translation.

1.This document has been translated by computer. So the translation may not reflect the original
precisely.

2**** shows the word which can not be translated.

3.in the drawings, any words are not translated.

DESCRIPTION OF DRAWINGS

[Brief Description of the Drawings]

[Drawing.1] The perspective view at the time of opening of a portable container which has the
light source which is the gistalk of operation of the 1st of this invention

[Drawing.2] Similarly it is the decomposition perspective view of a light source part.

[Drawing.3] Drawing showing the outline of a circuit similiary

[Drawing.4] The perspective view at the time of opening of a portable container which has the
light source which is the gistalk of operation of the 2nd of this invention

[Drawing.5] The perspective view at the time of opening of a portable container which has the
light source which is the gistalk of operation of the 3rd of this invention

[Description of Notations]

- 1 Container
- 2 Body of Container
- 3 Hinge
- 4 Top-Cover Section
- 5 Diffusion Panel
- 6 Light Source
- 7 Reflecting Mirror
- 8 Circuit Board
- 9 Power Source
- 10 Switching Means
- 16 Mirror

[Translation done.]

(1)特許出願公開番号
特開平11-102601

(4)公開日 平成11年(1999)4月13日

(5)Int.Cl.*
F 21 L 11/00
A 45 C 11/00F 1
F 21 L 11/00
A 45 C 11/00

K

G

特許請求の範囲の項 3 O L (全 5 項)

(1)出願番号
特開99-285220(2)出願日
平成9年(1997)9月9日(71)出願人
松下電子工業株式会社
大阪府高槻市1番1号(72)発明者
山田 佐雄
大阪府高槻市1番1号 松下電子工業株式会社内(73)発明者
山崎 忠夫
大阪府高槻市1番1号 松下電子工業株式会社内(74)発明者
菅原 孝雄
大阪府高槻市1番1号 松下電子工業株式会社内(75)発明者
井澤 哲之 (外1名)
大阪府高槻市1番1号 松下電子工業株式会社内(76)代理人
井澤 哲之 (外1名)
大阪府高槻市1番1号 松下電子工業株式会社内

(54)【発明の名称】 光を有する表示装置

【要約】 部屋の低い隅、例えば、夜の隅、O L I Iを

用いた光源の光や夜間の道の隅の隅、カブの隅、

ミを有する表示装置、また、隅に光を有する表示装置を有する

【発明の詳細】 発明は、光を有する表示装置を有する

【発明の詳細】 発明は、光を有する表示装置を有する

【発明の詳細】 発明は、光を有する表示装置を有する

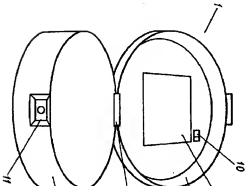
【発明の詳細】 発明は、光を有する表示装置を有する

【発明の詳細】 発明は、光を有する表示装置を有する

【発明の詳細】 発明は、光を有する表示装置を有する

【発明の詳細】 発明は、光を有する表示装置を有する

【発明の詳細】 発明は、光を有する表示装置を有する



【発明の詳細】 発明は、光を有する表示装置を有する

【発明の詳細】 発明は、光を有する表示装置を有する

【発明の詳細】 発明は、光を有する表示装置を有する

【発明の詳細】 発明は、光を有する表示装置を有する

【発明の詳細】 発明は、光を有する表示装置を有する

【発明の詳細】 発明は、光を有する表示装置を有する

【発明の詳細】 発明は、光を有する表示装置を有する

【発明の詳細】 発明は、光を有する表示装置を有する

【発明の詳細】 発明は、光を有する表示装置を有する

【発明の詳細】 発明は、光を有する表示装置を有する

【発明の詳細】 発明は、光を有する表示装置を有する

【発明の詳細】 発明は、光を有する表示装置を有する

【発明の詳細】 発明は、光を有する表示装置を有する

【発明の詳細】 発明は、光を有する表示装置を有する

【発明の詳細】 発明は、光を有する表示装置を有する

【発明の詳細】 発明は、光を有する表示装置を有する

【発明の詳細】 発明は、光を有する表示装置を有する

【発明の詳細】 発明は、光を有する表示装置を有する

【発明の詳細】 発明は、光を有する表示装置を有する

【発明の詳細】 発明は、光を有する表示装置を有する

【発明の詳細】 発明は、光を有する表示装置を有する

【発明の詳細】 発明は、光を有する表示装置を有する

【発明の詳細】 発明は、光を有する表示装置を有する

【発明の詳細】 発明は、光を有する表示装置を有する

【発明の詳細】 発明は、光を有する表示装置を有する

【発明の詳細】 発明は、光を有する表示装置を有する

によれば、上蓋部4の内面に光断6を設けることによ

【0016】次に第3の突座の形態である光源を右に:

所産密胎について説明する。図4に示すように、本巻の第3の天巻の形態である光源を有する密帯巾巻部は、上記各々巻の形態と同様に、上蓋部および内面は、図に示すようにアクリル板製に色の紙製パールと、これに示すようにアクリル板製の色の紙製パールとで、形成・パール5の後方に設けられた発光層が光がからな

光線6と、この光線6の接方に設けられたアルミニウム薄板からなる反射シートを設けた反射鏡7と、図3の導波管からなる光線6を屈折させるための回折要素8と、そのような光線6を屈折させるための回折要素8と、図9と、スリッチ手段10とからなる光線ユニットが設けられている。また、光線6の近傍に鏡10を設ける。

【0017】なお、上流側の内面の前面にはこの光通信ポートの位置が位置するように内蔵されている。

【0018】このような構成により、上記各実施形態と同様に、上面部4のスイッチ手段10、例えばスライダ式のスイッチを入れることにより、光源6を点灯させることができ、窓面本体2を持つ者の眼を照らすことができるので、暗い場所において、このようにする。

【0019】なお、第2実施形態2には出願特許、例えば「フロンテッジオン」出願特許を記すこととなり、開成の「いい場所」においても「いい場所」を記すことができる。

【0020】改行「5」を脱けることにより、第2図例示はAとCとで示される複製回数設定可能なリサージェンス二次電機を脱け出し、交換をすることができる。また、付植用舟状は取り外し交換することが可能である。

【0021】光線点灯時における鏡16の見やすさについて検討した結果、鏡16の上方、右方、左方うち、鏡16の上方に光線6を配置したものが最良であった。

【0022】上記各実施形態では、器具1を動かしたときスイング軸10として手動のスイングを用いたが、器具1を開いたときスイング軸10は自動で成り、開めたときには自動で閉じられるような構造にスイング軸10を用いても良い。また、各部を開いたときに閉じるようにスイング軸10を用いても良い。さらに一定以上の速度を持つ際には、点検しないような状態にする機能をもつスイングを用いても良い。

【0023】本実施形態では、容器本体2に、化粧用品

オンニ次電池を、収出口1.5より交換可能としたが、こ

の二次電池を各層1に内蔵した状態で、専用の充電器に接続して充電してもよい。

【00225】以上のように、本発明の第3の実施の形態によれば、上述第4の光源6の近傍に鏡16を設けることにより、照度の低い所でも、化粧を施すことができる。

【0026】上記光素子構造では、回路基板8、電極9、スイッチ子板10の回路部分を、上層導体1に備えたが、回路基板2側にも備えても良い。この場合、図1の決定図が得られる。また、光素子として、電極や、R1等の光素子を用いても良い。

【0027】

【批判的效果】以上のように本著者の光景を行ける書物用語は、西国世に渡り付られた思想の上種々の内面的な主義を述べた著作を行することによって、東洋の底意い所でも、大衆性を失ふことのできる。また、照波の俗字でも誤に於ける仕掛の類を見ることのできる。

【図面の簡単な説明】

【図1】本発明の角1の尖端の形態である光源を有する

【図2】同じく光源相分の分解斜視図

【図3】同じく回路の概略を示す図

【図4】本発明の第2の実施の形態である光源を有する

区民利用型田舎の創造

【図5】本発明の第3の実施の形態である光源を有する熱電変換器の断面図

【符号の説明】

一 時記

2 装置概要

3 森林

4 上流部

5 結論とバネル

6 光源

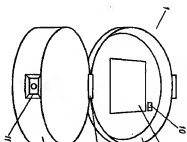
7 反射源

8 园路系统

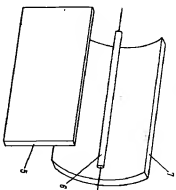
9 覽

10 スイッチ手帳

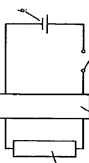
— ७५ —



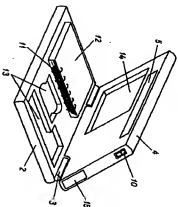
【 1 5 1 】



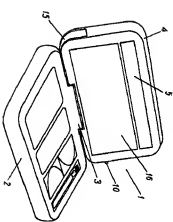
【图 2】



[M 3]



[附 4]



[BX 5]

(6)

特開平 1 1 0 2 6 0 1

フロントページの続き

(72)発明者 片山 重雄

大阪府東淀川区 1 番 1 号 松ノ電气工業株式会社内

(72)発明者 金谷 大介

大阪府東淀川区 1 番 1 号 松ノ電气工業株式会社内